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100/300 AREA UNIT MANAGERS MEETING APPROVAL OF MINUTES February 14, 2008



EDMC APPROVAL: Date Stacy Charboneau, DOE/RL (A3-04) River Corridor Project Manager 3-13-08 APPROVAL: Date Charboneau, DOE/RL (A6-33) Groundwater Project Manager 3-13-2008 Date APPROVAL: John Price, Ecology (H0-57) Environmental Restoration Manager 3.13.08 Date APPROVAL: Larry Gadbois, Rod Lobos, or Laura Buelow, EPA (B1-46) 100 Aggregate Area Unit Manager APPROVAL: Date

Alicia Boyd, EPA (B)

300 Aggregate Area Unit Manager

100 & 300 AREA UNIT MANAGER MEETING MINUTES

Groundwater, Source Operable Units, Facility (D4 and ISS), and Mission Completion February 14, 2008

Washington Closure Hanford (WCH) Building, 2620 Fermi Drive, Richland, Washington

ADMINISTRATIVE

- Next Unit Manager Meeting (UMM) The next meeting will be held March 13, 2008 at the Washington Closure Hanford (WCH) Office Building, 2620 Fermi Avenue, Room C209.
- <u>Attendees/Delegations</u> Attachment A is the list of attendees. Representatives from each agency were present to conduct the business of the UMM. Attachment B documents any delegations received from the agencies.
- Approval of Minutes The January 2008 meeting minutes were approved by the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology), and U.S. Department of Energy, Richland Operations Office (RL).
- Action Item Status Status of action items was performed, and updates provided (Attachment C).
- Agenda: Attachment D is the meeting agenda.

EXECUTIVE SESSION (Tri-Parties Only)

The executive session was not held.

100/300 AREA GROUNDWATER

Attachment 1 provides a status or information. No issues were identified, and no agreements were documented.

Action: RL will commit to sample wells 199-K-27 and 199-K-109A prior to decommissioning the wells; Sr-90 is specifically requested from EPA.

<u>Document Provided</u>: RL distributed SGW-36398, Draft A, "Installation and Sampling Analysis Instruction for Fiscal Year 2008 Aquifer Tubes," to EPA and Ecology.

MISSION COMPLETION PROJECT

Attachment 2 provides a status or information. No issues were identified, no actions were documented, and no agreements were documented.

GROUNDWATER/SOURCE INTEGRATION

No agreements were documented.

<u>Issue</u>: Updates are needed to the 5-year Record of Decision action items list, and comments and updates are to be provided to Janice Williams.

Action: RL shall meet with the EPA project managers on project specific funding for Fiscal Year 2009.

100/300 AREA FIELD REMEDIATION CLOSURE (FR)

Attachments 3 through 5 provide status or information on various Field Remediation Projects. Attachment 3 covers 100-B/C. Attachment 4 covers 100-D. Attachment 5 covers the schedule for sampling and design. No issues were identified, and no actions were documented.

Agreement: Attachment 6 documents an agreement approved in the November 2007 UMM minutes regarding waste site specific modeling, and a proposed revision to that agreement. RL, EPA, and Ecology approved the proposed revision of the agreement as outlined in Attachment 6.

<u>DEACTIVATION, DECONTAMINATION, DECOMMISSION, DEMOLITION (D4)/ INTERIM SAFE STORAGE (ISS)</u>

Attachment 7 provides a status or information for the 300 Area and Attachment 8 provides a status or information for the 100 Area. No issues were identified, no actions were documented, and no agreements were documented.

SPECIAL TOPICS

No special topics were discussed.

100/300 AREA UNIT MANAGER MEETING ATTENDANCE AND DISTRIBUTION February 14, 2008

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Donnelly, Jack W

From:

Price, John (ECY) [Jpri461@ECY.WA.GOV]

Sent:

Wednesday, February 13, 2008 2:29 PM

To:

Donnelly, Jack W

Cc:

Jones, Mandy E

Subject:

FW: delegation for 100/300 Area Unit Manager Meeting - February 14, 2008



UMM-2-14-08 .genda.doc (59 KB)..

Jack, I will be late to the meeting. Mandy Jones is delegated for me, until I arrive.

This email serves as my delegation for the UMM minutes.

----Original Message----

From: Donnelly, Jack W [mailto:jack.donnelly@wch-rcc.com]

Sent: Wednesday, February 13, 2008 10:41 AM

To: Donnelly, Jack W; Ayres, Jeff (ECY); Bignell, Dale T; Black, Dale G; Bond, Rick (ECY); Borghese, Jane V; Boyd.Alicia@epamail.epa.gov; Brosee, Manfred N; Buckmaster, Mark A; buelow.laura@epamail.epa.gov; Callison, Stacey W; Carlson, Richard A; Charboneau, Briant L; Charboneau, Stacy L; scimon@oregontrail.net; Clark, Clifford E; Clark, Steven W; Darby, John W; Dieterle, Steven E; Dresel, P Evan; einan.david@epamail.epa.gov; Fabre, Russel J; Fancher, Jonathan D (Jon); faulk.dennis@epamail.epa.gov; Fruchter, Jonathan S; gadbois.larry@epamail.epa.gov; Golden, James W; Goswami, Dib (ECY); Guercia, Rudolph F; Hadley, Karl A; Hanson, James P; Hartman, Mary J; Hedel, Charles W; Huckaby, Alisa (ECY); Hulstrom, Larry C; Jackson, Ron; Jacques, I D (Duane); Johnson, Wayne F; Jones, Mandy (ECY); Koegler, Kim J; Landon, Roger J; LaRue, Deena N; Lerch, Jeffrey A; Little, Nelson C; sandral@nezperce.org; lobos.rod@epamail.epa.gov; Miller, Larry R (Rex); Morse, John G; Obenauer, Dale F; Ovink, Roger W; Parnell, Scott E; Peloquin, Michael G; Peterson, Robert E; Piippo, Rob; Price, John (ECY); Proctor, Megan L; Robertson, Julie R; Robertson, Owen C; Rochette, Beth (ECY); Sands, John P; Saueressig, Daniel G; Shattuck, Ann F; Shea, Jacqueline (ECY); Smet, Ann K; Smith, Chris; Smith-Jackson, Noe'l (ECY); Strom, Dean N; Swartz, Joseph M (Mike); Thompson, Mike; Thomson, Jill E; Vanni, Jean (ECY); Vedder, Barry L; Winterhalder, John A; Yasek, Donna M; Zeisloft, Jamie Subject: 100/300 Area Unit Manager Meeting - February 14, 2008

Good morning:

Attached is the final agenda for the Unit Manager Meeting scheduled for Thursday, February 14, 2008 from 1:00 p.m. to 4:30 p.m. at 2620 Fermi Avenue (Washington Closure Hanford LLC Building) in Room C209. There is no executive session, so the UMM starts at 1:35 p.m.

If you are unable to attend please send any delegations. For those having action items please be prepared to provide a status to help expedite the action item portion of the meeting. The open action items will be provided in a handout for Thursday's meeting.

Additionally, for those providing hand-outs and summaries please bring extra copies to share with others. See everyone tomorrow.

Respectfully, Jack Donnelly 372-2043

100/300 Area UMM Action List Febuary 14, 2008

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
Х	100-128	RL	R. Guercia	100-N	RL will schedule a briefing with Ecology in October 2007 on the piping near the 1310 and 1322- NB buildings.	Open: 1/11/07; Action: The RL point of contact person changed and the action item revised on 7/12/07. Item closed at the 1/10/08 UMM.
0	300-008	RL	T. Post	100/300 Area	RL shall develop the instructions for documenting D4 completions in the 100 and 300 Areas where no known waste site is under the building, and no releases to soil are documented or expected based on existing data. These instructions shall be added into the respective Removal Action Work Plans after review and approval from the respective lead regulatory agency for the specific Removal Action Work Plans in the 100 and 300 Areas.	
Х	100-148	RL	C. Smith	100 Areas	RL will set up a meeting with EPA and Ecology to discuss the Kd for Antimony.	Open: 11/8/07; Action: Item was closed at 1/10/08 UMM.
0	100-149	RL	J. Hanson	100-H	RL/Fluor Hanford Inc. (FH) will review the extraction network for the 100-H pump and treat system, and provide recommendations to Ecology for optimization.	Open: 1/10/08; Action:
0	100-150	RL	M. Thompson	300-FF-5	Operable Unit.	Open: 1/10/08; Action: Update to SAP is in progress, and internal reviews will be completed by end of February.

100/300 Area UMM Action List Febuary 14, 2008

Open (O)/ Closed (X)	Action No.	Co.	Actionee	Project	Action Description	Status
x	100-151	RL	C. Smith	100-F	RL shall provide EPA a schedule to meet the M-16-49 milestone.	Open: 1/10/08; Action: Item closed at 2/14/08 UMM.
0	100-152	RL	T. Post	100-N	RL will schedule a meeting with Ecology on coordinating between D4 and FR activities at the 100-N Area.	Open: 1/10/08; Action:
0	100-153	RL	C. Smith	100 Area	RL shall schedule a meeting with EPA and Ecology to discuss potential additional institutional controls at specific waste sites (e.g., concrete or other physical markers at 118-B-1 burial ground).	Open: 1/10/08; Action:
0	300-009	RL.	R. Guercia	300 Area	RL shall brief EPA and Ecology on alternative exposure scenarios for the 300 Area.	Open: 1/10/08; Action:
0	100-154	RL	J. Hanson	100-K	RL will commit to sample wells 199-K-27 and 199-K-109A prior to decommissioning the wells; Sr-90 is specifically requested from EPA.	Open: 2/14/08; Action:
O	100-155	RL	Charboneaus	All	RL shall meet with the EPA project managers on project specific funding for Fiscal Year 2009.	Open: 2/14/08; Action:

100/300 Area Unit Manager Meeting February 14, 2008 Washington Closure Hanford Building 2620 Fermi Avenue, Richland, WA 99354 Room C209 1:00-4:30 p.m.

1:00 - 1:30 p.m.

Executive Session (Tri-Parties Only):

o None

1:35 p.m. - 2:00 p.m.

Administrative:

- Approval and signing of previous meeting minutes (January 2008)
- Update to Action Items List
- Next UMM (3/13/2008, Room C209)

2:00 - 4: 30 p.m.

Open Session: Project Updates:

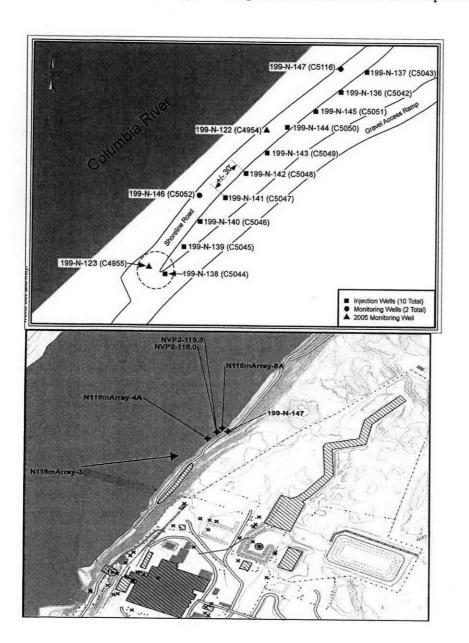
- o 100/300 Area Groundwater (Jim Hanson/Ann Shattuck)
- Mission Completion (Jamie Zeisloft/John Sands/Jeff Lerch/Chris Cearlock)
- o <u>Groundwater/Source Integration</u>
 - o 5-year Record of Decision Review Update (Cliff Clark/Alicia Boyd)
- o 100/300 Area Field Remediation and Closure (FR)
 - o 100-F (Chris Smith/Jon Fancher)
 - o 300-FF-2 (Chris Smith/John Darby)
 - o 618-10/11 (Chris Smith/Scott Parnell)
 - o 100-B/C (Chris Smith/Dean Strom)
 - o 118-K-1 (Chris Smith/Nelson Little)
 - o 100-D (Tom Post/Mark Buckmaster)
 - o 100-H (Tom Post/Mark Buckmaster)
 - o 100-IU-2/IU-6 (Chris Smith/Rich Carlson)
 - o Sampling and FR Design (Chris Smith/Jason Capron/Rich Carlson)
 - Clarify Agreement from Nov. 2007 UMM
- o <u>D4/ISS</u>
 - o 300 Area D4 (Rudy Guercia/Megan Proctor)
 - o 100 Area D4 (Tom Post/Dan Saueressig)
 - ISS (Chris Smith/Dan Saueressig)
- Special Topics



100-NR-2 Groundwater OU - Russ Fabre

Apatite Barrier Injections

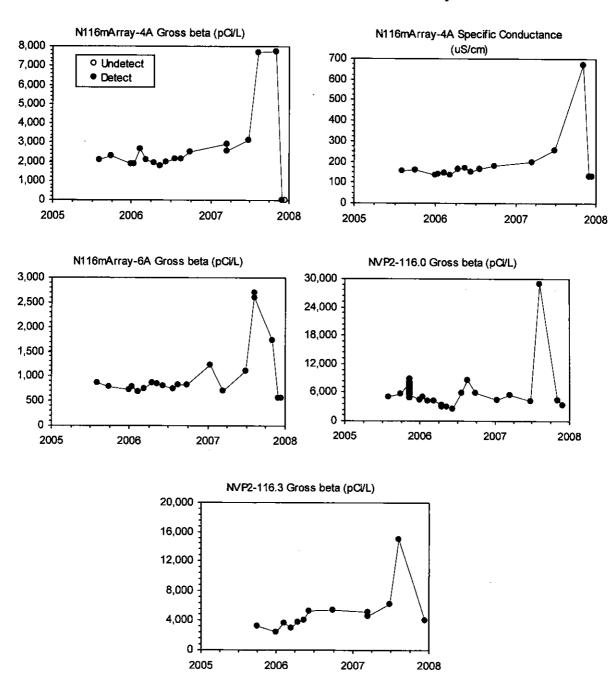
- Sampling of the performance wells in January was postponed due to freezing weather conditions.
- Addendum to the Treatability Test Plan DOE/RL-2005-96 Revision 0 is being developed to allow for high concentration injections in the spring of 2008.
- A Statement of Work is being prepared to allow for the installation of 6 Ringold formation
 wells. This will further increase the effectiveness of the injections in that formation. Drilling
 to begin in March.
- Low concentration injection report is on schedule to be completed February 2008.



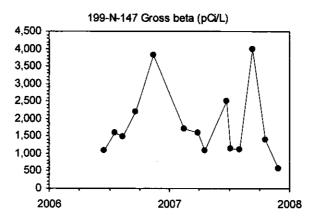
Aquifer Tubes

Gross beta dropped sharply in December 2007 in some of the aquifer tubes that had the spikes in August. Levels were back in line with pre-spike trends, or lower, in some cases. (note the recently low to undetectable levels in Array-4A are accompanied by specific conductance equal to river water; the tube may have a leaky fitting. Field staff will check and repair.)

The previous increases in beta were accompanied by increases in specific conductance, which suggests that the influence of apatite injections was flushing salts from the aquifer, as expected. Specific conductance and beta were lower in most of the recent samples.



Monitoring well 199-N-147 also showed a decline in beta in December.



Low levels of total petroleum hydrocarbons (TPH) were detected again in tube Array-0A in December (250 ug/L). The only previous result for this tube was from January 2007, 970 ug/L. TPH was below the detection limit in Array-1A and -2A and well 199-N-123 in December.

100-KR-4 Groundwater OU - Julie Robertson

- Monthly monitoring of cultural resources for 100-KR-4 was performed on 1/18/08. Much of the area was snow-covered, and no problems were observed.
- 100-KR-4 Remediation Treatment Status
 - For the period of January 1-31, 2008:
 - System operated normally.
 - Total average flow through the system was approximately 278 gpm.
 - Average influent hexavalent chromium concentration was 0.045 mg/L.

KR-4 Expansion

- Bids have been received for the initial 300 gpm expansion of the KR-4 system. The bids are under evaluation. Design work to support further expansion of the system continues.
- Drilling activities to support the system expansion are ongoing. Analysis of groundwater samples from all recently drilled proposed KR-4 expansion injection wells indicate the presence of hexavalent chromium at levels above 0.030 mg/L. Evaluation of response options is underway.

KW Groundwater Remediation

- KW Remediation Treatment Status for the period of January 1-31, 2008.
 - System operated normally.
 - Total average flow through the system was approximately 101 gpm.
 - Average influent hexavalent chromium concentration was 0.073 mg/L.
- Over the past year, the hexavalent chromium concentrations in monitoring well 199-K-137 have increased from approximately 2200 ppb to 3500 ppb. Planning is underway to support drilling four new multipurpose wells in the vicinity of the 105-KW reactor during FY08.

100-K Area Drilling Status—Julie Robertson/Chris Wright (FH)

Drilling began on eighteen KR-4 Pump-and-Treat expansion wells on October 4, 2007. As of February 8, 2008, fourteen wells have been constructed and developed, one is under construction, and one is under development.

100-KR-4: K-Basins Monitoring Task—Duane Horton (FH-updated 2/5/08)

- Leak Detection Monitoring Results:
 - The most recent results for routine quarterly sampling of wells in the K-Basins network are for samples collected in late October 2007. Results are consistent with trends and expectations. Results for the January 2008 sampling are not yet available.
 - The most recent results for monthly sampling at three wells close to the KE Basin (199-K-27, 199-K-29, and 199-K-109A) are for samples collected in December 2007. Results are on trend.
 - Wells 199-K-27 and 199-K-109A are immediately down-gradient of the KE Basin and are scheduled to be decommissioned this spring as part of the decommissioning the KE Basin. The wells are co-sampled by the Washington State Department of Health and DOE has notified the DOH to identify replacement wells for co-sampling.
 - There is no evidence to indicate groundwater impacts attributable to leakage of shielding water from either Basin.
- Monitoring Well Network:
 - Routine quarterly sampling of K-Basins network wells were sampled in January. The
 monthly sampling scheduled near KE basin is coordinated with the quarterly event. One
 well, well 199-K-32A, was not sampled because of air compressor problems. The next
 routine sampling is scheduled for April 2008.
 - January sampling results have not been returned from the laboratory so there is no new, quarterly analytical results to report.
- Reporting:
 - The most recent quarterly report is for July through September 2007 (SGW-36499).
 - The current annual groundwater report (for fiscal year 2007) is in preparation and due to Ecology March 1, 2008.

100-HR-3 Groundwater OU - Ron Jackson

- · Remediation Treatment Status
 - For the period January 1-31, 2008:
 - The system operated normally.
 - Total average flow through the system was approximately 160 gpm.
 - Average influent hexavalent chromium concentration for H Area was approximately less than 0.019 mg/L.
 - Average influent hexavalent chromium concentration for D Area was approximately 0.186 mg/L.
- DR-5 Treatment Status
 - For the period January 1-31, 2008:
 - System operated normally.
 - Total average flow through the system was approximately 41 gpm.
 - The average influent hexavalent chromium concentration was approximately 0.651 mg/L.
 - Preparing a draft DR-5 treatability test report as well as a 100-D Area technology/cost evaluation report.

"Horn" Investigation

- All wells and aquifer tubes have been installed.
- Formal sampling of the wells has been initiated.
- Planning underway to conduct vertical profiling at selected monitoring wells as well as installation of pressure transducer
- Assembling data in preparation of the "Horn" investigative report.
- Preliminary groundwater data (during well development) collected from the new wells and aquifer tubes installed between 100-D and 100-H Areas indicate that a widely dispersed continuous plume of hexavalent chromium contamination is present and below drinking water standards except west of the 100-H reactor area (two wells above or at 100 ppb). Aquifer tubes north of 100-N Area were found to have elevated hexavalent chromium as high as 65 ppb. In this area the aquifer is as thin as 5 ft in thickness. A contamination reading of 42 ppb hexavalent chromium was found within the first semi-confined aquifer with the Ringold Upper Mud east of the 100-D area. The well was resampled which confirmed the original analysis.

100-D Area Source Investigation

• Drilling of four characterization wells are planned to start the week of February 11.

Summary of ISRM Status

Twenty-nine ISRM wells were sampled in January; 26 of these were higher in hexavalent chromium than those collected in January 2007. The river level was about half a meter higher this time last year, which would lead to expected lower concentrations during that time.

EM-22 Technology Developments

- Investigation for mending ISRM Barrier. Detailed geochemical and injection column tests for the two iron compounds are planned to begin the week of February 11. The tests objectives are:
 - Evaluate changes in water chemistry when groundwater of similar composition to that at the 100-D Area reacts with Zero Valiance Iron (ZVI) emplaced in the aquifer with emphasis on pH, effect of ZVI-induced reducing conditions on nitrate (e.g., conversion to ammonia), and carbonate concentration due to high pH
 - Test the ability of ZVI-impregnated Ringold soil to remove/reduce Cr⁶⁺
 - Evaluate the potential for passivation of ZVI
- EC Treatability Test- Incorporating internal review comments to the EC treatability test report. RL review of the document is planned to start in late February. The subcontractor's report has been finalized.
- The seven chromium source investigation wells are being sampled monthly for hexavalent chromium. The four new wells planned to further refine the chromium source in this area are scheduled to be drilled in February and March.
- A draft Field Investigation Plan for investigation of chromium sources in the northern 100-D plume is currently in review.
- Groundwater around the biostimulation wells is being sampled twice a month. The groundwater is maintaining a reduced condition.

HR-3/KR-4 Waste Management Plan- John Winterhalder

A revision to the HR-3/KR-4 Waste Management Plan is being worked. The plan has been through internal RL and EPA reviews, and RL and FH are working with Ecology to resolve their questions and concerns, mostly having to do with a DR-5 Pump & Treat resin regeneration related discharge to the ISRM Pond. Previously obtained sample data has been provided to Ecology, and further sampling and analysis is underway to address questions regarding total chromium concentrations in the discharge to the pond. Project met with Ecology on January 7 to discuss additional data as well as the short term and long term path forward. Based on this meeting, Ecology will consider continuing to allow the use of the pond through a non-significant change (if appropriate) to the 100-HR-3 ROD.

300-FF-5 Operable Unit—Bob Peterson and Ron Smith (PNNL-updated 02/07/08)

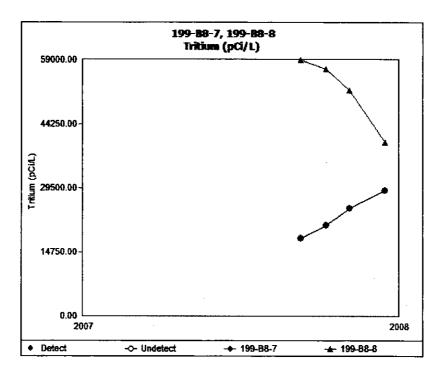
- Operations and Maintenance Plan Activities
 - 300 Area Subregion: Still waiting for many results for December 2007 sampling event. Updated uranium plume map will be prepared when all results are available. Results for most recent monthly sampling under RCRA are for the December event.
 - 618-11 Burial Ground Subregion: No change since last UMM. (Most recent results are for samples collected in mid-September. Tritium at 699-13-3A, adjacent to burial ground, is at lowest level to date.)
 - 618-10 Burial Ground Subregion: No change since last UMM. (Most recent results are for samples collected in mid-September. Uranium remains well below the drinking water standard. Tributyl phosphate remains very low or nondetected.)
 - Update to Sampling and Analysis Plan (DOE/RL-2002-11, Rev. 1): Revisions to the
 existing document are underway to accommodate new monitoring wells and aquifer tubes,
 and changes to the monitoring schedule as a result of new interpretations and information
 needs.
- Phase III Feasibility Study
 - Report Describing Uranium Contamination in the 300 Area Subsurface: Revisions completed and undergoing final document production (PNNL-17034)
 - Report Describing Groundwater Flow Modeling at 300 Area: Internal peer review comments being incorporated into draft report.
- Other Activities
 - VOC Investigation: All characterization boreholes are now in service as monitoring wells.
 A borehole completion report is in draft form, and work is proceeding on a report that describes the results of the investigation.
 - Treatability Test for Uranium (EM-22): No new information since last UMM. (Analysis of monitoring data following the June 2007 injection of polyphosphate solutions continues.)

100-BC-5 Operable Units—Mary Hartman

Field crews began sampling the monitoring wells (the annual sampling event) in February.

December 2007 data were loaded for the new wells near 100-C-7 waste site. The maximum chromium concentration was 18.7 ug/L in 199-B8-8 (total chromium, unfiltered). Hexavalent chromium was 16.3 ug/L.

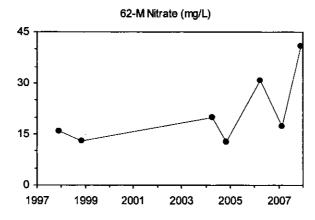
Tritium continued to increase in one well and decrease in the other. December concentrations still exceeded the 20,000 pCI/L DWS in both wells. The wells were sampled again in January 2008 and then switched to a quarterly sampling schedule.



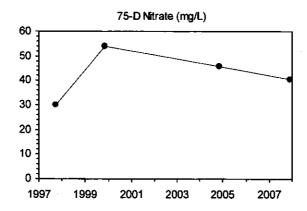
100-FR-3 Operable Unit—Mary Hartman

Aquifer tubes were sampled in November and December 2007, with 4 exceptions: AT-63S had low conductivity; AT-65 tubes have been destroyed; AT-73 and AT-78 tubes could not be located.

Nitrate increased to 40.9 mg/L in December2007 in aquifer tube 62-M, north of 100-F Area. This was the highest observed at that location. (Monitoring well F1-2, located upstream from this tube, typically has nitrate at $\sim 30 \text{ mg/L}$).



South of 100-F Area, tube 75-D was sampled for the first time in a couple of years (it was temporarily "lost"). It formerly had nitrate >DWS. In December 2007 the concentration was 40.6 mg/L, below the DWS.



Aquifer Tube Installations - Jane Borghese

A draft Sampling and Analysis Instruction (SAI) has been revised based on RL comments. The draft is being edited prior to agency review. The sites are undergoing preliminary cultural review to determine those sites that require SHPO review. The team is readying the equipment, performing access reconnaissance and preparing the work packages to initiate work when SAI approval is granted.

Environmental Protection Mission Completion Project February 14, 2008

Orphan Sites Evaluations

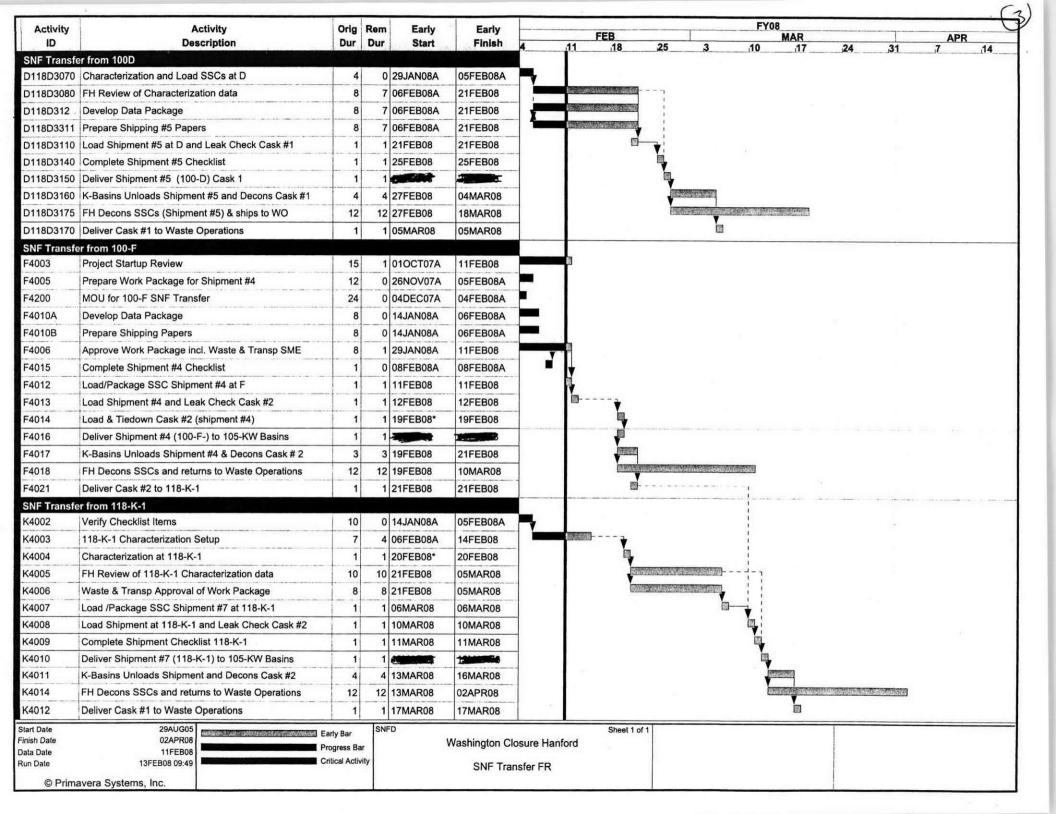
- 100-IU-2 and 100-IU-6 field visit briefing with EPA and RL scheduled for week of 2/19
- MP-14 checklists and D-Areas summary report updates being drafted based on Ecology feedback and agreements
- Continuing N-Area historical review
- H-Area briefing with Ecology and RL anticipated to be scheduled March
- Working with PNNL for vendor pre-flight documentation for collection of orthophotography and LiDAR data in support of inter-areas evaluation

River Corridor Baseline Risk Assessment

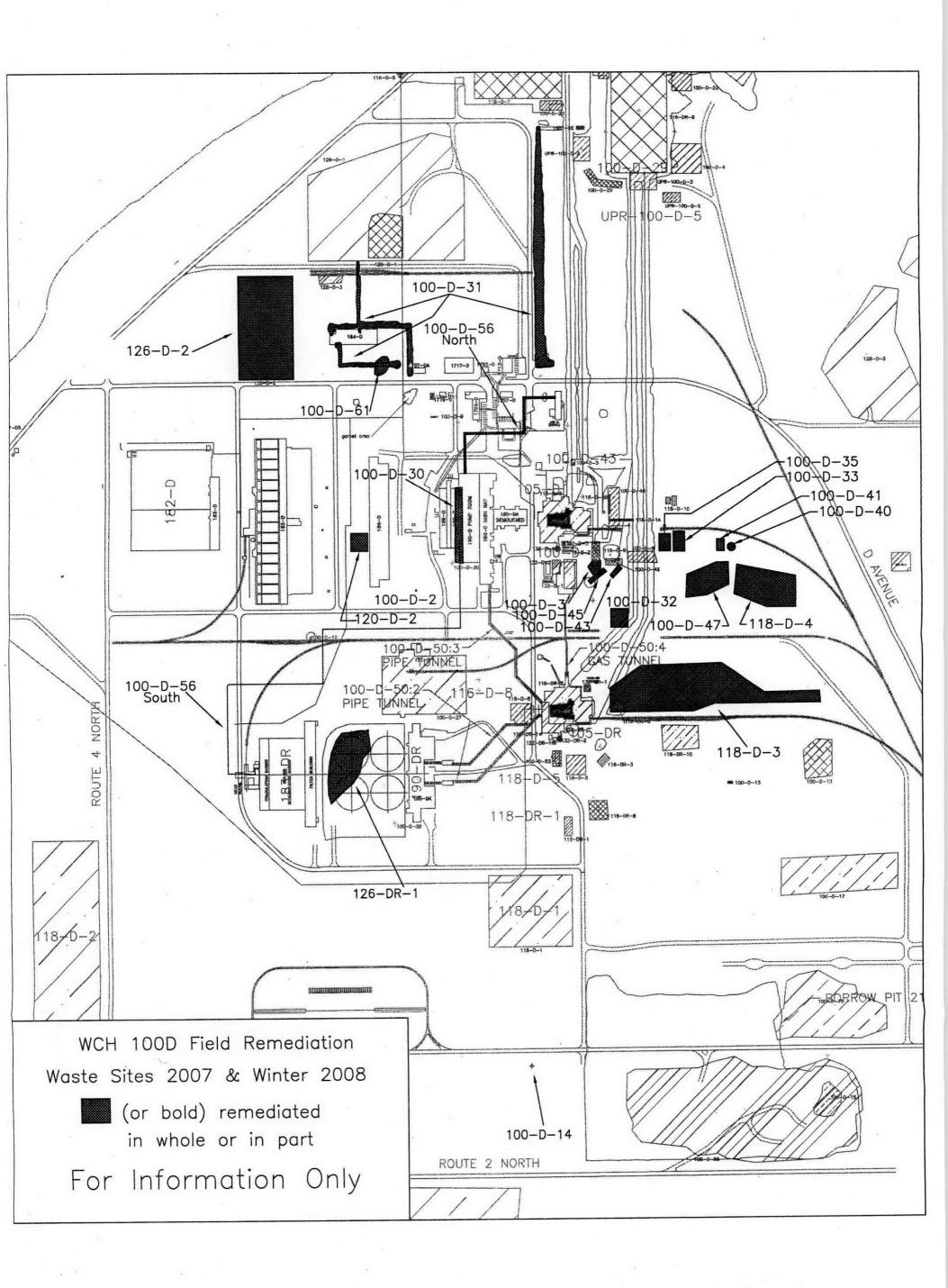
 Beginning preparation of Draft B document based on comment dispositions discussed and input received during the January workshop.

Columbia River Investigation

 Proposed sample design and approach being developed based on input from February 5-6 workshop. Approach to be distributed and discussed at March workshop (proposed dates March 18-19)







Mission Completion Sample Design and Cleanup Verification for the February 2008 UMM

AREA	DOE-RL/REGULATOR DELIVERABLE	START	FINISH
00-B/C		O/OF/OOOC	2/07/000
	RL/Regulator Approval of 100-C-7 AMP (100B/FY07)	2/25/2008	3/27/200
	RL/Regulator Approval of 100-BC AMP (100B/FY07)	3/3/2008	4/3/200
AA BULLU	RL Approval of 100-C-7 C/E Review (100B/FY07)	4/29/2008	6/3/200
00-D	RL/Regulator Review Draft A Closure Document for 100-D-2	1/31/2008 A	3/18/200
XZ	RL/Regulator Review Draft A Closure Document for 100-D-33	2/18/2008	4/2/200
	RL/Regulator Review Draft A Closure Document for 100-D-35	2/18/2008	4/2/200
	RL/Regulator Review Draft A Closure Document for 100-D-41	2/18/2008	4/2/200
	RL/Regulator Review Draft A Closure Document for 100-D-41	2/18/2008	4/2/200
		2/20/2008	4/4/200
	RL/Regulator Review Draft A WI for 120-D-2	3/3/2008	4/3/200
	RL Review of 100-D Cultural Review(100-D_MD_FS)	3/6/2008	4/19/200
	RL/Regulator Review Draft A WI for 100-D-3	W WWW.WWW.www.www.	4/9/200
	RL/Regulator Review Draft A WI for 100-D-32	3/13/2008	
	RL/Regulator Sign Rev. 0 Closure Document for 100-D-2	4/1/2008	4/3/200
12	RL/Regulator Sign Rev. 0 WI for 120-D-2	4/21/2008	4/24/200
<u>a waran</u> a	RL/Regulator Sign Rev. 0 WI for 100-D-3	5/8/2008	5/12/200
00-F	DI /Downlotte Boulous Deaft A Closure Document for 119 E 9.4 Bipoline	12/13/2007 A	2/4/200
	RL/Regulator Review Draft A Closure Document for 118-F-8:4 Pipeline	12/20/2007 A	2/11/20
	RL/Regulator Review Draft A Closure Document 100-F-26:14 Pipeline	1/8/2008 A	2/21/20
	RL/Regulator Review Draft A Closure Document 100-F-26:13 Pipeline		
	RL/Regulator Review Draft A Closure Document 100-F-26:15 Pipeline	1/10/2008 A	2/25/20
	RL/Regulator Review Draft A Closure Document 100-F-26:8 Pipeline	1/24/2008 A	3/10/20
	RL/Regulator Review Draft A Closure Document for 1607-F1	1/24/2008 A	3/10/20 3/24/20
	RL/Regulator Review Draft A Closure Document for 118-F-5	2/7/2008	1000,000,000,000,000
	RL/Regulator Sign Rev 0 Closure Document for 118-F-8:4 Pipeline	2/12/2008	2/19/20
	RL/Regulator Sign Rev 0 Closure Doc-pipeline 100-F-26:14 Pipeline	2/19/2008	2/21/20
	RL/Regulator Review Draft A Closure Document 100-F-26:12 Pipeline	2/20/2008	4/14/20
	RL/Regulator Sign Rev 0 Closure Document for 118-F-2	2/28/2008	3/6/20
	RL/Regulator Sign Rev 0 Closure Document 100-F-26:13 Pipeline	3/3/2008	3/10/20
	RL/Regulator Sign Rev 0 Closure Document 100-F-26:15 Pipeline	3/4/2008	3/11/20
	RL/Regulator Review Draft A Closure Doc-pipeline 100-F-26:4 Pipeline	3/6/2008	4/19/20
	RL/Regulator Review Draft A Closure Document for 100-F-54	3/17/2008	4/29/20
	RL/Regulator Review Draft A Closure Document for 100-F-50	3/17/2008	4/30/20
	RL/Regulator Sign Rev 0 Closure Document 100-F-26:8 Pipeline	3/18/2008	3/25/20
	RL/Regulator Sign Rev 0 Closure Document for 1607-F1	3/18/2008	3/25/20
	RL/Regulator Review of Draft A Closeout Document 118-F-6	3/31/2008	5/14/20
	RL/Regulator Review Draft A Closure Document for 100-F-46	4/2/2008	5/15/20
	RL/Regulator Sign Rev 0 Closure Document for 118-F-5	4/7/2008	4/14/20
	RL/Regulator Sign Rev 0 Closure Document 100-F-26:12 Pipeline	4/15/2008	4/22/20
	RL/Regulator Review Draft A Closure Document for 120-F1	4/28/2008	6/11/20
The second	RL/Regulator Sign Rev 0 Closure Document 100-F-26:4 Pipeline	5/5/2008	5/12/20
00-H			0/00/00
	RL/Regulator Review Draft A WI for 100-H-36	1/14/2008 A	2/28/20
	100-H RL Review Bid/Approve	2/4/2008 A	2/27/20
00-IU-2/		07/0000	0/04/00
1	RL review and provide SAP NTP	2/7/2008	2/21/20
28	618-10/11 RL Review Phase 2 Characterization Pln	2/13/2008	5/12/20
	RL Review of 100-IU Cultural Review(100-IU_2_6)	2/20/2008	3/25/20
	RL/Regulator Approval of 100-IU AMP (100-IU_2_6)	3/20/2008	4/23/20
	RL/Regulator 600-149 Design Briefing (6UXO/FY08)	4/15/2008	4/15/20
	618-10/11 RL Review Draft SAP	4/28/2008	6/11/20

Mission Completion Sample Design and Cleanup Verification for the February 2008 UMM

100-N	COUNTRY BENEFIT OF THE STATE OF			
14 HE HERE THE STREET	ESD - RL/Regulator Review of Draft 100 Area	rannami arcanamentana et la 15-40 Standfulft dunga	1/3/2008 A	4/16/2008
	RL/Regulator Review Draft A WI for 100-N-53		1/14/2008 A	2/27/2008
	RL/Regulator Review Draft A WI for 100-N-79		2/12/2008	3/27/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-55		2/28/2008	3/3/2008
	RL/Reg Design Review Briefing for 100-N Area		3/4/2008	3/4/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-53		3/12/2008	3/19/2008
	RL/Regulator Review Draft A WI for 100-N-28		3/19/2008	4/29/2008
	100 Area RDR RL/Reg review		4/8/2008	5/27/2008
	ESD - Public Review of Draft B 100 Area		4/17/2008	5/16/2008
	RL/Regulator Sign Rev. 0 WI for 100-N-79	£ 1	4/21/2008	4/24/2008
300 AREA		Creative Change (20)		
	RL Review FHC Update for 618-1		1/22/2008 A	2/24/2008
	RL/Regulator Review Draft A WI for 300-275		2/14/2008	3/29/2008
	RL 300-A Central Sites Design Review Briefing		2/25/2008	2/26/2008
	Reg 300-A Central Sites Design Review Briefing	2 3	2/27/2008	2/27/2008
	300 Area ESD (FY07) RL/Reg Briefing		2/28/2008	2/29/2008
	300 Area ESD (FY07) RL/Ecology Rev of Draft A		3/6/2008	4/3/2008
	RL Review 300-Area Cultural Review	9	3/6/2008	4/9/2008
	300 Area ESD (FY07) Public Review		3/19/2008	4/16/2008
41 8	RL/Regulator rev. of Draft A Closure Document 600-24	43	3/19/2008	5/2/2008
×.	300 Area ESD (FY07) Public Involvement Coord.		3/20/2008	3/28/2008
	RL/Regulator Review Draft A WI for 600-276	3	3/25/2008	5/7/2008
	RL/Regulator Review Draft A WI for 300-2	127	3/26/2008	5/8/2008
	RL/Regulator Review Draft A WI for 300-32		3/26/2008	5/8/2008
14	300 Area RDR RL/Reg Review(FY08)	a:	4/8/2008	5/27/2008
	RL/Regulator Sign Rev. 0 WI for 300-275		4/14/2008	4/17/2008
	300 Area ESD (FY07) Approval from EPA/Ecology		4/30/2008	6/4/2008



Agreement February 14, 2008 100/300 Unit Manager Meeting

Here is the wording agreed to in the Nov. UMM:

o Agreement: In closing out action item 100-130, EPA, Ecology, and RL agreed to continue performing waste site specific RESRAD modeling as stated in the 100 Area Remedial Design Report/Remedial Action Work Plan (RDR) for radionuclides noted in Table 2-7 of the RDR, and a footnote should be included in verification packages for these radionuclides to indicate that waste site specific RESRAD modeling was performed and the footnote should reference the appropriate waste site specific RESRAD calculation brief; the appropriate waste site specific RESRAD calculation brief (without attachments) should be included as an appendix within the verification package and; cleanup levels cited in tables within verification packages shall be obtained from the look-up values in the RDR.

Here is the revised agreement that is being proposed.

o Revised Agreement: To close action item 100-130, EPA, Ecology and RL agreed to continue performing waste site-specific RESRAD modeling as indicated in the 100 Area Remedial Design Report/Remedial Action Work Plan (RDR) for radionuclides per Table 2-7 of the RDR. A footnote will be included in the verification packages indicating site-specific RESRAD modeling was performed, with a reference to the associated RESRAD calculation brief. The site-specific RESRAD calculation brief summary pages (without attachments) will be included as an appendix to the verification package. Cleanup levels cited in the verification package shall be obtained from the look-up values in the RDR, or as agreed to with lead regulatory agency.



300 Area D4 Status February 14, 2008 100/300 Area Combined Unit Manager Meeting

Ongoing Hazardous Material Removal

- 321
- 324
- 327
- 337B
- 308 Duct fogging and Class 1 Asbestos removal

Ready for Demolition:

- 3718E
- 337

Demolition Activities:

• 384 – Cold demolition and load out underway

60-Day Project Look Ahead

- Continue hazardous material removal at 337BA, 3718 (including A, B, C, M and E)
- Begin 323 hazardous waste removal

(8)

100 Area D4/ISS Status February 14, 2008 100/300 Area Combined Unit Manager Meeting

Ongoing Activities

- 163-N/183-N -Below grade demolition at 163-N complete with the exception of 3 abandoned water lines in the northeast corner of building footprint.
- 109-N Asbestos abatement in Area 4 complete, area cleared. Abatement in Area 8E (basement/pits) ongoing.
- 184-N/NA Demolition preparation activities ongoing.
- 117-N Hazardous material removal complete.
- 107-N Characterization ongoing.
- 1802-N Below grade demolition and load-out of above and below grade debris ongoing.

60-Day Project Look Ahead

- 184-N/NA demolition.
- 107-N hazardous material removal.
- 108-N demolition phase 1.
- 1310-N berm wall removal.
- Receive bids for 105-N/109-N demolition and Safe Storage Enclosure construction.
- Bids received and being evaluated on 116-N stack demolition.